

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P227297

Luminaire Tested: **ISW-AF-1000-LED-E1-SLR-7060-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-1000-LED-E1-SLR-7060-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, WITH
UPLIGHT GLOW
Light Source: (16) 5700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6957.9 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

Input Watts (W): 71.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

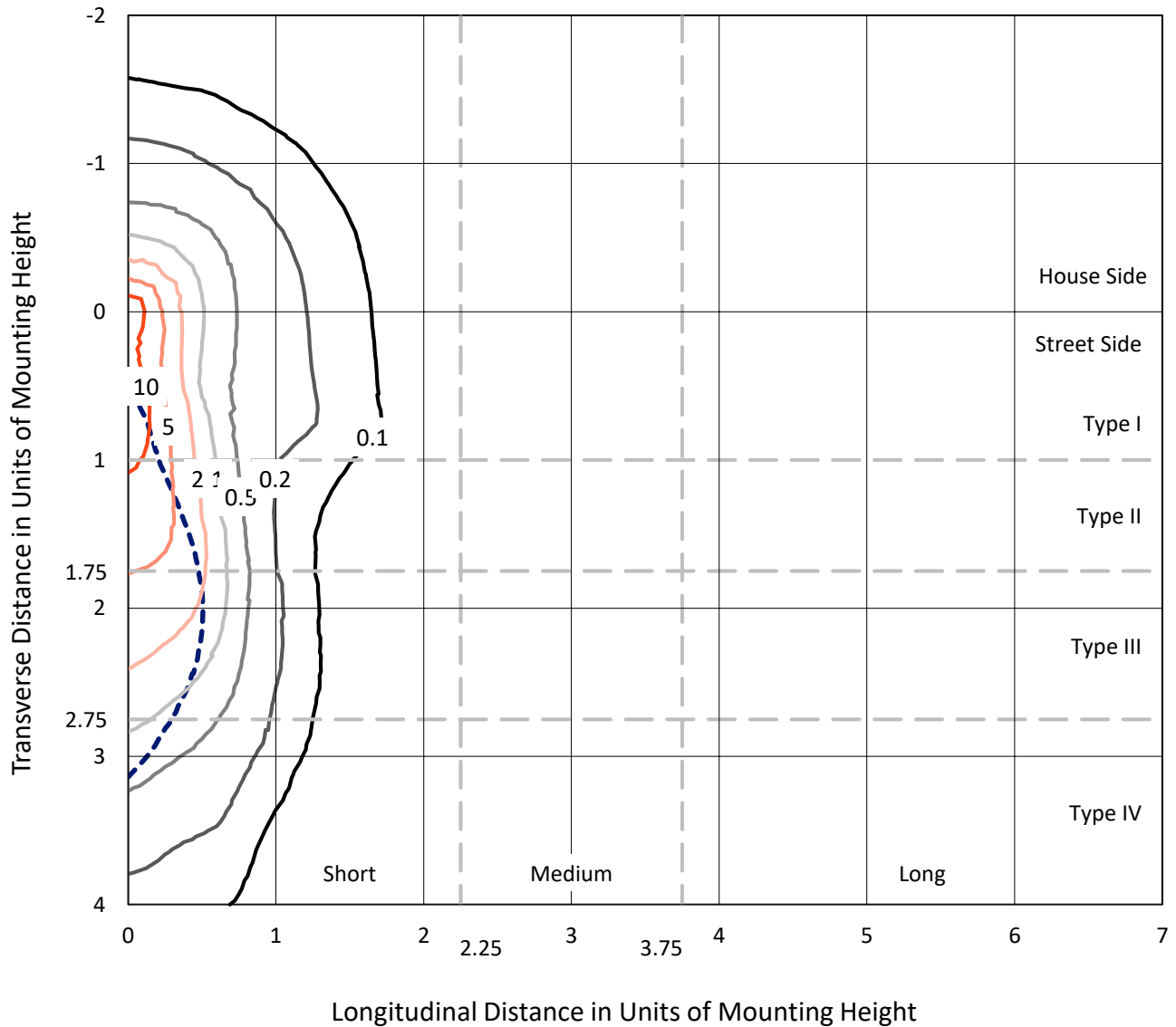


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

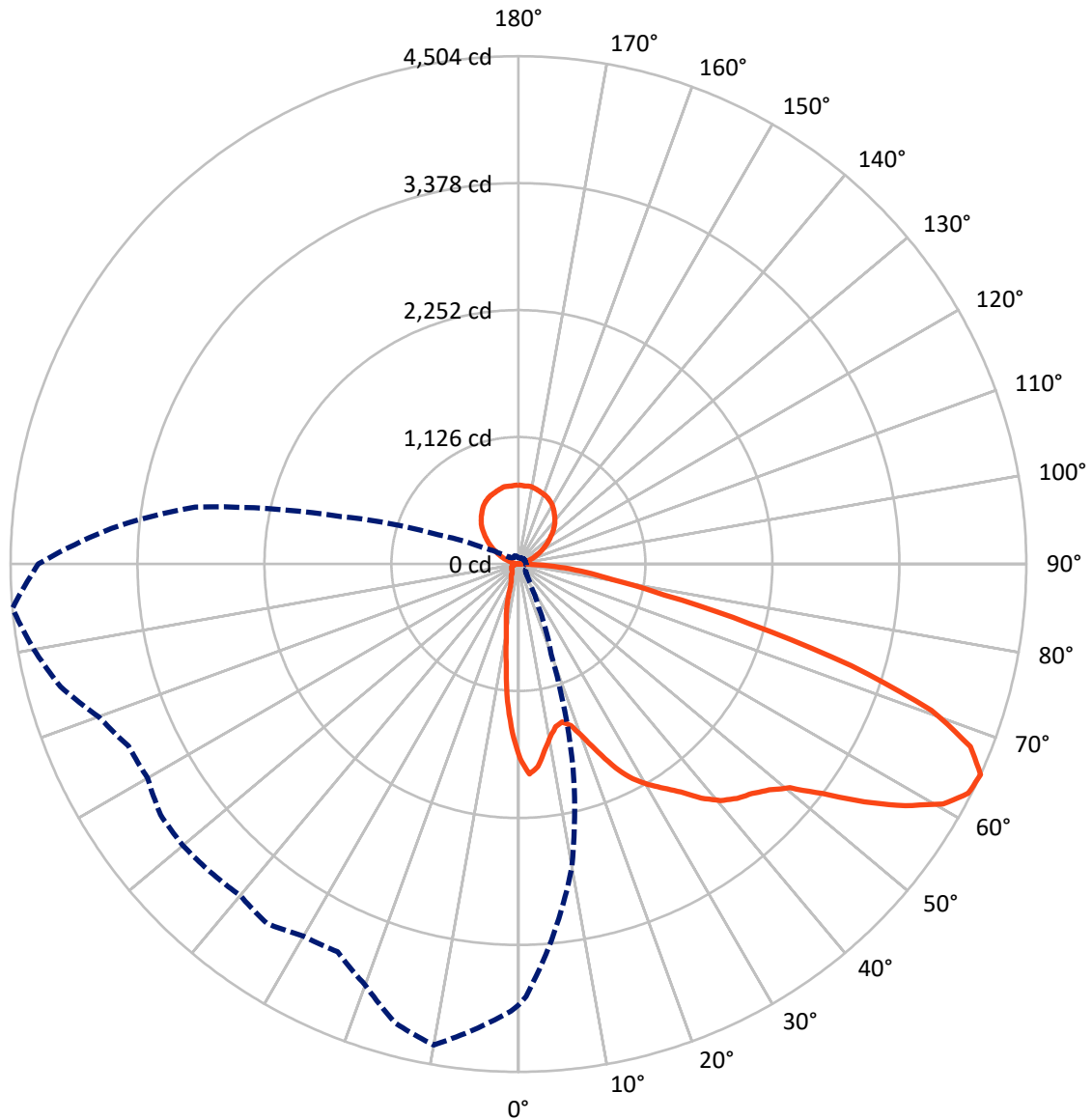


Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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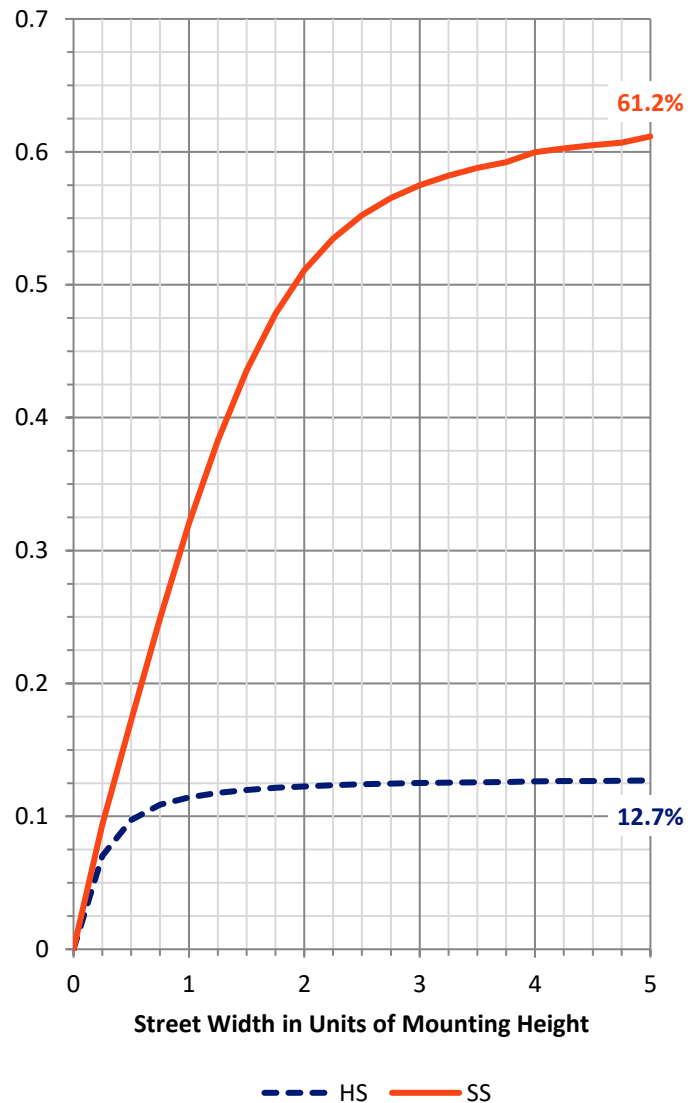
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 896.2 | 867.6 | 1763.8 |
| | % Fixture | 12.9 | 12.5 | 25.3 |
| Street Side | Lumens | 4326.4 | 867.8 | 5194.1 |
| | % Fixture | 62.2 | 12.5 | 74.7 |
| Total | Lumens | 5222.6 | 1735.4 | 6957.9 |
| | % Fixture | 75.1 | 24.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 127.8 | 1.8 |
| 10°-20° | 245.9 | 3.5 |
| 20°-30° | 350.6 | 5.0 |
| 30°-40° | 508.7 | 7.3 |
| 40°-50° | 727.7 | 10.5 |
| 50°-60° | 1117.3 | 16.1 |
| 60°-70° | 1293.3 | 18.6 |
| 70°-80° | 659.8 | 9.5 |
| 80°-90° | 191.4 | 2.8 |
| 90°-100° | 9.5 | 0.1 |
| 100°-110° | 57.4 | 0.8 |
| 110°-120° | 166.1 | 2.4 |
| 120°-130° | 273.2 | 3.9 |
| 130°-140° | 336.8 | 4.8 |
| 140°-150° | 344.6 | 5.0 |
| 150°-160° | 290.3 | 4.2 |
| 160°-170° | 191.2 | 2.7 |
| 170°-180° | 66.3 | 1.0 |
| 0°-90° | 5222.6 | 75.1 |
| 0°-180° | 6957.9 | 100.0 |



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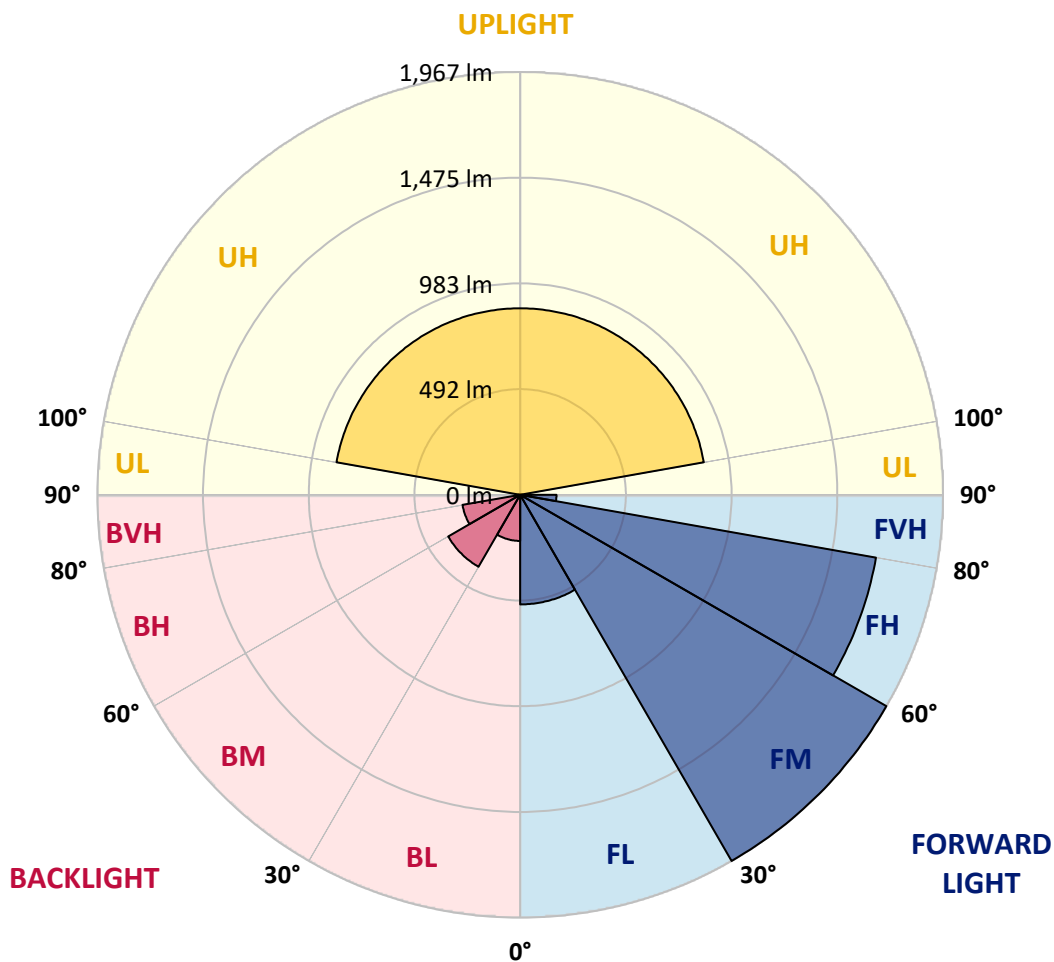
CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 510.0 | 7.3 | | | |
| FM | (30°-60°) | 1967.0 | 28.3 | | | |
| FH | (60°-80°) | 1680.6 | 24.2 | | | G1/1800 |
| FVH | (80°-90°) | 168.8 | 2.4 | | | G2/225 |
| BL | (0°-30°) | 214.4 | 3.1 | B1/500 | | |
| BM | (30°-60°) | 386.8 | 5.6 | B1/1000 | | |
| BH | (60°-80°) | 272.4 | 3.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 22.6 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 9.5 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 867.6 | 12.5 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5° | 1785.7 | 1775.2 | 1762.0 | 1739.1 | 1718.9 | 1689.9 | 1682.9 | 1646.9 | 1624.0 | 1629.3 | 1588.0 |
| 5° | 1676.7 | 1670.6 | 1638.1 | 1587.1 | 1553.7 | 1487.8 | 1450.0 | 1430.7 | 1376.2 | 1369.2 | 1354.2 |
| 7.5° | 1523.8 | 1505.4 | 1452.6 | 1389.4 | 1332.2 | 1283.9 | 1223.3 | 1176.7 | 1135.4 | 1109.9 | 1065.1 |
| 10° | 1392.9 | 1373.5 | 1316.4 | 1239.1 | 1170.5 | 1102.9 | 1053.7 | 993.0 | 934.2 | 888.5 | 852.4 |
| 12.5° | 1329.6 | 1308.5 | 1241.7 | 1152.1 | 1075.6 | 991.3 | 921.9 | 862.1 | 829.6 | 806.7 | 776.9 |
| 15° | 1354.2 | 1323.5 | 1243.5 | 1136.3 | 1041.4 | 951.7 | 877.9 | 813.8 | 775.1 | 739.9 | 704.8 |
| 17.5° | 1453.5 | 1415.7 | 1324.3 | 1195.2 | 1063.3 | 947.3 | 841.9 | 768.9 | 707.4 | 654.7 | 607.2 |
| 20° | 1624.0 | 1595.9 | 1463.2 | 1282.2 | 1110.8 | 950.0 | 811.1 | 715.3 | 640.6 | 573.8 | 510.6 |
| 22.5° | 1823.5 | 1781.3 | 1651.2 | 1399.9 | 1171.4 | 965.8 | 791.8 | 670.5 | 581.8 | 492.1 | 423.6 |
| 25° | 2032.6 | 2000.1 | 1827.9 | 1558.1 | 1264.6 | 998.3 | 776.9 | 631.0 | 512.3 | 413.0 | 337.5 |
| 27.5° | 2201.4 | 2172.4 | 2001.9 | 1710.1 | 1349.8 | 1026.4 | 754.9 | 593.2 | 457.0 | 337.5 | 254.0 |
| 30° | 2339.3 | 2314.7 | 2136.3 | 1834.9 | 1453.5 | 1036.1 | 724.1 | 549.2 | 395.5 | 272.4 | 210.0 |
| 32.5° | 2494.0 | 2466.8 | 2265.5 | 1921.9 | 1500.1 | 1027.3 | 689.0 | 507.9 | 346.2 | 240.8 | 180.2 |
| 35° | 2663.6 | 2632.0 | 2409.6 | 2015.9 | 1538.8 | 996.5 | 659.1 | 478.1 | 322.5 | 218.8 | 159.9 |
| 37.5° | 2814.8 | 2794.6 | 2539.7 | 2109.1 | 1582.7 | 945.6 | 630.1 | 445.5 | 306.7 | 203.0 | 144.1 |
| 40° | 2932.5 | 2927.2 | 2683.8 | 2186.4 | 1617.0 | 908.7 | 606.4 | 420.1 | 286.5 | 196.8 | 138.8 |
| 42.5° | 3027.4 | 3025.7 | 2801.6 | 2255.9 | 1625.8 | 876.2 | 587.9 | 397.2 | 268.0 | 181.9 | 141.5 |
| 45° | 3118.8 | 3117.9 | 2915.8 | 2352.5 | 1631.9 | 877.9 | 573.8 | 383.2 | 252.2 | 172.2 | 133.6 |
| 47.5° | 3205.8 | 3219.0 | 3035.3 | 2487.0 | 1696.9 | 907.8 | 568.6 | 370.0 | 239.9 | 161.7 | 126.5 |
| 50° | 3351.7 | 3338.5 | 3224.3 | 2668.9 | 1801.5 | 965.8 | 559.8 | 358.5 | 228.5 | 152.0 | 119.5 |
| 52.5° | 3628.5 | 3613.6 | 3511.6 | 2912.3 | 1915.8 | 1025.5 | 548.4 | 342.7 | 215.3 | 141.5 | 111.6 |
| 55° | 3966.9 | 3987.1 | 3845.6 | 3208.5 | 2071.3 | 1075.6 | 536.1 | 321.6 | 197.7 | 129.2 | 106.3 |
| 57.5° | 4165.5 | 4148.8 | 3987.1 | 3378.9 | 2167.1 | 1101.1 | 528.2 | 297.0 | 170.5 | 118.6 | 101.1 |
| 59° | 4212.0 | 4183.9 | 3963.3 | 3407.9 | 2192.6 | 1088.8 | 523.8 | 273.3 | 156.4 | 113.4 | 98.4 |
| 60° | 4207.6 | 4173.4 | 3925.6 | 3389.5 | 2199.6 | 1073.9 | 516.7 | 259.2 | 148.5 | 110.7 | 97.5 |
| 62.5° | 4117.1 | 4063.5 | 3711.1 | 3166.3 | 2101.2 | 999.2 | 487.7 | 225.8 | 138.0 | 107.2 | 92.3 |
| 65° | 3911.5 | 3835.9 | 3350.8 | 2730.4 | 1875.3 | 850.7 | 421.8 | 213.5 | 140.6 | 105.5 | 88.8 |
| 67.5° | 3556.5 | 3495.8 | 2887.7 | 2259.4 | 1494.8 | 687.2 | 364.7 | 208.3 | 144.1 | 107.2 | 83.5 |
| 70° | 2893.0 | 2841.1 | 2253.2 | 1691.7 | 1119.6 | 546.6 | 331.3 | 205.6 | 141.5 | 102.8 | 79.1 |
| 72.5° | 2040.6 | 1950.9 | 1497.5 | 1184.6 | 710.1 | 439.4 | 287.4 | 194.2 | 138.0 | 99.3 | 72.1 |
| 75° | 1241.7 | 1258.4 | 951.7 | 863.0 | 448.2 | 301.4 | 225.8 | 163.5 | 122.2 | 88.8 | 65.0 |
| 77.5° | 819.0 | 818.2 | 702.2 | 609.0 | 227.6 | 187.2 | 159.9 | 125.7 | 95.8 | 72.9 | 56.2 |
| 80° | 555.4 | 561.5 | 509.7 | 415.7 | 126.5 | 112.5 | 104.6 | 91.4 | 70.3 | 55.4 | 46.6 |
| 82.5° | 341.8 | 342.7 | 394.6 | 311.1 | 84.4 | 71.2 | 66.8 | 61.5 | 50.1 | 43.1 | 36.0 |
| 85° | 118.6 | 121.3 | 138.0 | 219.7 | 57.1 | 46.6 | 46.6 | 43.1 | 37.8 | 29.0 | 23.7 |
| 87.5° | 51.0 | 50.1 | 59.8 | 59.8 | 28.1 | 23.7 | 22.0 | 22.0 | 21.1 | 15.8 | 13.2 |
| 90° | 8.5 | 7.6 | 7.6 | 9.5 | 11.4 | 13.7 | 13.3 | 14.2 | 14.2 | 12.8 | 10.5 |
| 92.5° | 4.0 | 4.0 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 5.0 | 5.0 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.0 | 9.0 |
| 100° | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 16.5 | 21.0 |
| 102.5° | 11.0 | 11.0 | 11.0 | 12.0 | 13.0 | 15.5 | 18.0 | 22.5 | 27.0 | 33.5 | 40.0 |
| 105° | 21.0 | 21.2 | 22.0 | 24.5 | 27.0 | 31.5 | 36.0 | 42.0 | 48.0 | 55.5 | 63.0 |
| 107.5° | 41.0 | 41.2 | 42.0 | 45.5 | 49.0 | 53.5 | 58.0 | 65.5 | 73.0 | 80.5 | 88.0 |



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CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 66.4 | 68.0 | 71.0 | 74.0 | 80.5 | 87.0 | 94.5 | 102.0 | 108.0 | 114.0 |
| 112.5° | 99.0 | 99.0 | 99.0 | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 134.0 | 138.5 | 143.0 |
| 115° | 140.0 | 139.8 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 168.0 | 171.0 | 174.0 |
| 117.5° | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 202.0 | 203.5 | 205.0 |
| 120° | 225.0 | 224.6 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 237.0 | 240.0 | 243.0 |
| 122.5° | 263.0 | 262.4 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 271.0 | 274.0 | 277.0 |
| 125° | 298.0 | 297.2 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 305.0 | 307.5 | 310.0 |
| 127.5° | 330.0 | 329.8 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 339.0 | 339.5 | 340.0 |
| 130° | 363.0 | 362.6 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 370.0 | 371.0 | 372.0 |
| 132.5° | 396.0 | 395.6 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 404.0 | 404.5 | 405.0 |
| 135° | 429.0 | 428.4 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 435.0 | 436.0 | 437.0 |
| 137.5° | 460.0 | 459.4 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 464.0 | 466.0 | 468.0 |
| 140° | 488.0 | 487.4 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 491.0 | 494.0 | 497.0 |
| 142.5° | 518.0 | 517.4 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 521.0 | 523.0 | 525.0 |
| 145° | 550.0 | 549.2 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 550.0 | 550.5 | 551.0 |
| 147.5° | 575.0 | 574.4 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 574.0 | 574.5 | 575.0 |
| 150° | 595.0 | 594.4 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 152.5° | 611.0 | 610.4 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 610.0 | 610.0 | 610.0 |
| 155° | 629.0 | 628.2 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 630.0 | 629.0 | 628.0 |
| 157.5° | 646.0 | 645.4 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 646.0 | 645.5 | 645.0 |
| 160° | 663.0 | 662.4 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 655.0 | 655.0 | 655.0 |
| 162.5° | 673.0 | 672.2 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 661.0 | 662.0 | 663.0 |
| 165° | 681.0 | 680.4 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 673.0 | 673.0 | 673.0 |
| 167.5° | 690.0 | 689.4 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 688.0 | 686.5 | 685.0 |
| 170° | 698.0 | 697.4 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 693.0 | 692.0 | 691.0 |
| 172.5° | 699.0 | 698.6 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 690.0 | 690.0 | 690.0 |
| 175° | 700.0 | 699.6 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 691.0 | 690.5 | 690.0 |
| 177.5° | 707.0 | 706.6 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 697.0 | 696.0 | 695.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



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CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5° | 1575.7 | 1566.0 | 1538.8 | 1531.7 | 1540.5 | 1522.9 | 1518.5 | 1514.2 | 1481.6 | 1498.3 | 1479.0 |
| 5° | 1317.3 | 1314.7 | 1259.3 | 1270.7 | 1259.3 | 1240.0 | 1232.1 | 1250.5 | 1218.0 | 1225.0 | 1229.4 |
| 7.5° | 1012.4 | 1001.8 | 964.9 | 940.3 | 925.4 | 912.2 | 895.5 | 868.2 | 889.3 | 884.9 | 918.3 |
| 10° | 821.7 | 798.8 | 776.0 | 741.7 | 722.4 | 703.9 | 684.6 | 674.0 | 649.4 | 646.8 | 635.4 |
| 12.5° | 753.1 | 720.6 | 691.6 | 661.7 | 641.5 | 604.6 | 573.8 | 554.5 | 538.7 | 514.1 | 495.6 |
| 15° | 661.7 | 634.5 | 596.7 | 567.7 | 536.1 | 502.7 | 472.8 | 448.2 | 436.8 | 413.9 | 403.4 |
| 17.5° | 569.5 | 528.2 | 482.5 | 453.5 | 409.5 | 375.2 | 350.6 | 334.8 | 318.1 | 304.1 | 291.8 |
| 20° | 458.7 | 405.1 | 355.9 | 319.0 | 284.7 | 251.3 | 239.9 | 220.6 | 213.5 | 208.3 | 212.7 |
| 22.5° | 348.9 | 293.5 | 242.5 | 214.4 | 196.0 | 187.2 | 177.5 | 174.0 | 171.4 | 170.5 | 172.2 |
| 25° | 255.7 | 209.2 | 184.5 | 174.0 | 167.0 | 161.7 | 158.2 | 155.5 | 153.8 | 152.9 | 153.8 |
| 27.5° | 197.7 | 173.1 | 160.8 | 153.8 | 148.5 | 145.0 | 143.2 | 140.6 | 139.7 | 138.8 | 139.7 |
| 30° | 171.4 | 158.2 | 149.4 | 142.4 | 136.2 | 130.1 | 127.4 | 126.5 | 127.4 | 128.3 | 127.4 |
| 32.5° | 149.4 | 139.7 | 130.1 | 123.9 | 119.5 | 116.0 | 116.0 | 114.2 | 114.2 | 116.9 | 117.8 |
| 35° | 135.3 | 125.7 | 118.6 | 110.7 | 105.5 | 101.9 | 99.3 | 97.5 | 98.4 | 98.4 | 101.1 |
| 37.5° | 123.9 | 116.9 | 110.7 | 103.7 | 98.4 | 94.9 | 93.2 | 91.4 | 90.5 | 89.6 | 89.6 |
| 40° | 116.0 | 111.6 | 106.3 | 99.3 | 94.0 | 90.5 | 88.8 | 87.0 | 86.1 | 85.2 | 85.2 |
| 42.5° | 116.0 | 107.2 | 103.7 | 97.5 | 91.4 | 87.9 | 85.2 | 83.5 | 81.7 | 81.7 | 81.7 |
| 45° | 127.4 | 109.8 | 103.7 | 96.7 | 90.5 | 86.1 | 83.5 | 80.8 | 79.1 | 79.1 | 78.2 |
| 47.5° | 123.9 | 123.0 | 105.5 | 96.7 | 91.4 | 86.1 | 82.6 | 80.0 | 78.2 | 77.3 | 76.5 |
| 50° | 117.8 | 128.3 | 117.8 | 99.3 | 91.4 | 85.2 | 81.7 | 79.1 | 76.5 | 75.6 | 75.6 |
| 52.5° | 114.2 | 119.5 | 122.2 | 102.8 | 92.3 | 85.2 | 80.8 | 78.2 | 76.5 | 74.7 | 73.8 |
| 55° | 105.5 | 112.5 | 116.9 | 101.1 | 92.3 | 83.5 | 79.1 | 76.5 | 73.8 | 72.9 | 72.1 |
| 57.5° | 96.7 | 101.9 | 112.5 | 101.1 | 89.6 | 82.6 | 77.3 | 73.8 | 72.1 | 71.2 | 70.3 |
| 59° | 94.0 | 94.0 | 100.2 | 103.7 | 87.9 | 81.7 | 76.5 | 72.9 | 71.2 | 70.3 | 68.5 |
| 60° | 91.4 | 91.4 | 94.9 | 106.3 | 87.0 | 80.8 | 75.6 | 72.1 | 69.4 | 69.4 | 68.5 |
| 62.5° | 87.9 | 85.2 | 87.0 | 99.3 | 84.4 | 79.1 | 73.8 | 70.3 | 67.7 | 67.7 | 66.8 |
| 65° | 83.5 | 80.0 | 80.0 | 82.6 | 79.1 | 75.6 | 72.1 | 68.5 | 65.0 | 65.0 | 65.9 |
| 67.5° | 79.1 | 75.6 | 74.7 | 74.7 | 72.9 | 72.1 | 68.5 | 65.0 | 63.3 | 63.3 | 63.3 |
| 70° | 72.9 | 70.3 | 69.4 | 67.7 | 67.7 | 66.8 | 64.2 | 61.5 | 59.8 | 60.6 | 59.8 |
| 72.5° | 65.9 | 64.2 | 62.4 | 62.4 | 61.5 | 60.6 | 58.0 | 56.2 | 55.4 | 56.2 | 56.2 |
| 75° | 58.9 | 56.2 | 56.2 | 54.5 | 54.5 | 53.6 | 51.0 | 50.1 | 49.2 | 50.1 | 51.0 |
| 77.5° | 50.1 | 48.3 | 47.5 | 47.5 | 47.5 | 47.5 | 43.9 | 43.1 | 43.1 | 44.8 | 44.8 |
| 80° | 41.3 | 40.4 | 39.5 | 39.5 | 39.5 | 38.7 | 36.9 | 36.0 | 36.0 | 36.9 | 37.8 |
| 82.5° | 31.6 | 29.9 | 29.9 | 30.8 | 31.6 | 31.6 | 29.0 | 27.2 | 27.2 | 29.0 | 30.8 |
| 85° | 21.1 | 21.1 | 21.1 | 22.0 | 22.0 | 22.8 | 21.1 | 18.5 | 19.3 | 20.2 | 22.8 |
| 87.5° | 11.4 | 12.3 | 11.4 | 10.5 | 12.3 | 11.4 | 11.4 | 10.5 | 11.4 | 12.3 | 13.2 |
| 90° | 10.5 | 10.5 | 10.6 | 10.8 | 9.9 | 10.8 | 9.8 | 9.6 | 7.9 | 7.9 | 9.8 |
| 92.5° | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 10.5 | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 8.5 |
| 100° | 25.0 | 29.0 | 27.5 | 26.0 | 24.5 | 23.0 | 21.0 | 19.0 | 19.0 | 19.0 | 21.0 |
| 102.5° | 45.0 | 50.0 | 48.5 | 47.0 | 44.5 | 42.0 | 40.5 | 39.0 | 38.0 | 39.0 | 40.5 |
| 105° | 67.5 | 72.0 | 71.0 | 70.0 | 67.5 | 65.0 | 63.0 | 61.0 | 61.0 | 61.0 | 63.0 |
| 107.5° | 91.5 | 95.0 | 94.5 | 94.0 | 92.0 | 90.0 | 88.5 | 87.0 | 86.0 | 87.0 | 88.5 |



REPORT NUMBER: P227297

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 117.0 | 116.0 | 117.5 |
| 112.5° | 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 147.0 | 147.0 | 148.0 |
| 115° | 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 178.0 | 177.0 | 178.0 |
| 117.5° | 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 209.0 | 208.0 | 209.0 |
| 120° | 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 243.0 | 243.0 | 244.0 |
| 122.5° | 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 277.0 | 276.0 | 277.0 |
| 125° | 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 |
| 127.5° | 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 347.0 | 345.0 | 345.5 |
| 130° | 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 380.0 | 379.0 | 380.0 |
| 132.5° | 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 | 414.0 | 414.0 |
| 135° | 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 451.0 | 450.0 | 448.5 |
| 137.5° | 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 482.0 | 481.0 | 478.5 |
| 140° | 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 511.0 | 509.0 | 506.5 |
| 142.5° | 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 536.0 | 534.0 | 533.5 |
| 145° | 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 560.0 | 558.0 | 559.5 |
| 147.5° | 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 585.0 | 583.0 | 584.5 |
| 150° | 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 610.0 | 606.0 | 604.5 |
| 152.5° | 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 628.0 | 623.0 | 620.5 |
| 155° | 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 641.0 | 638.0 | 637.0 |
| 157.5° | 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 655.0 | 650.0 | 650.0 |
| 160° | 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 666.0 | 660.0 | 660.5 |
| 162.5° | 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 674.0 | 668.0 | 669.0 |
| 165° | 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 682.0 | 678.0 | 679.0 |
| 167.5° | 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 694.0 | 688.0 | 688.0 |
| 170° | 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 172.5° | 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 175° | 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 699.0 | 694.0 | 695.0 |
| 177.5° | 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 702.0 | 698.0 | 699.5 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



REPORT NUMBER: P227297

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 2.5° | 1496.6 | 1481.6 | 1473.7 | 1504.5 | 1501.9 | 1475.5 | 1475.5 | 1493.9 | 1494.8 | 1479.0 | 1497.5 |
| 5° | 1234.7 | 1219.8 | 1233.8 | 1221.5 | 1228.5 | 1227.7 | 1238.2 | 1218.9 | 1226.8 | 1219.8 | 1203.1 |
| 7.5° | 915.7 | 945.6 | 961.4 | 941.2 | 966.7 | 979.9 | 961.4 | 979.9 | 950.9 | 927.1 | 950.0 |
| 10° | 630.1 | 663.5 | 657.3 | 689.9 | 702.2 | 709.2 | 722.4 | 705.7 | 685.5 | 679.3 | 662.6 |
| 12.5° | 488.6 | 481.6 | 478.9 | 492.1 | 500.0 | 488.6 | 498.3 | 487.7 | 477.2 | 458.7 | 457.8 |
| 15° | 382.3 | 370.8 | 362.9 | 348.0 | 342.7 | 345.4 | 349.8 | 349.8 | 328.7 | 329.5 | 337.5 |
| 17.5° | 290.0 | 287.4 | 281.2 | 268.9 | 261.0 | 263.6 | 262.8 | 258.4 | 255.7 | 257.5 | 267.2 |
| 20° | 217.9 | 215.3 | 218.8 | 222.3 | 219.7 | 220.6 | 217.1 | 212.7 | 210.9 | 212.7 | 214.4 |
| 22.5° | 172.2 | 175.8 | 180.2 | 185.4 | 186.3 | 190.7 | 189.8 | 190.7 | 187.2 | 185.4 | 181.0 |
| 25° | 157.3 | 159.1 | 156.4 | 157.3 | 157.3 | 161.7 | 160.8 | 160.8 | 157.3 | 156.4 | 157.3 |
| 27.5° | 138.8 | 138.0 | 138.0 | 139.7 | 139.7 | 142.4 | 144.1 | 142.4 | 138.8 | 138.0 | 138.8 |
| 30° | 128.3 | 127.4 | 126.5 | 127.4 | 126.5 | 127.4 | 129.2 | 129.2 | 127.4 | 124.8 | 125.7 |
| 32.5° | 117.8 | 117.8 | 116.9 | 117.8 | 116.9 | 116.9 | 118.6 | 116.0 | 116.0 | 115.1 | 115.1 |
| 35° | 103.7 | 105.5 | 107.2 | 108.1 | 108.1 | 108.1 | 109.8 | 107.2 | 106.3 | 105.5 | 105.5 |
| 37.5° | 89.6 | 91.4 | 96.7 | 99.3 | 100.2 | 101.9 | 102.8 | 101.1 | 99.3 | 97.5 | 95.8 |
| 40° | 85.2 | 85.2 | 87.0 | 90.5 | 94.0 | 94.9 | 96.7 | 94.0 | 93.2 | 90.5 | 87.9 |
| 42.5° | 81.7 | 82.6 | 82.6 | 83.5 | 84.4 | 86.1 | 88.8 | 86.1 | 84.4 | 82.6 | 80.0 |
| 45° | 79.1 | 79.1 | 79.1 | 79.1 | 78.2 | 78.2 | 79.1 | 77.3 | 76.5 | 75.6 | 75.6 |
| 47.5° | 77.3 | 76.5 | 75.6 | 74.7 | 73.8 | 72.9 | 72.9 | 71.2 | 71.2 | 71.2 | 71.2 |
| 50° | 75.6 | 73.8 | 72.9 | 72.1 | 70.3 | 70.3 | 70.3 | 68.5 | 67.7 | 67.7 | 68.5 |
| 52.5° | 72.9 | 72.1 | 71.2 | 70.3 | 69.4 | 68.5 | 68.5 | 66.8 | 65.9 | 65.9 | 65.9 |
| 55° | 72.1 | 71.2 | 69.4 | 68.5 | 67.7 | 68.5 | 67.7 | 66.8 | 65.0 | 65.0 | 65.0 |
| 57.5° | 69.4 | 70.3 | 69.4 | 67.7 | 67.7 | 67.7 | 67.7 | 65.9 | 65.0 | 63.3 | 64.2 |
| 59° | 68.5 | 69.4 | 68.5 | 67.7 | 66.8 | 67.7 | 67.7 | 65.0 | 64.2 | 63.3 | 63.3 |
| 60° | 67.7 | 68.5 | 67.7 | 66.8 | 66.8 | 67.7 | 66.8 | 65.9 | 64.2 | 61.5 | 62.4 |
| 62.5° | 66.8 | 66.8 | 65.9 | 65.9 | 65.0 | 65.9 | 65.0 | 63.3 | 61.5 | 59.8 | 58.9 |
| 65° | 65.0 | 65.0 | 64.2 | 64.2 | 63.3 | 63.3 | 63.3 | 61.5 | 59.8 | 58.0 | 58.0 |
| 67.5° | 64.2 | 63.3 | 62.4 | 62.4 | 61.5 | 61.5 | 61.5 | 59.8 | 57.1 | 56.2 | 55.4 |
| 70° | 60.6 | 59.8 | 59.8 | 58.9 | 58.0 | 58.9 | 59.8 | 57.1 | 54.5 | 52.7 | 51.8 |
| 72.5° | 57.1 | 56.2 | 56.2 | 55.4 | 55.4 | 56.2 | 57.1 | 54.5 | 51.0 | 49.2 | 48.3 |
| 75° | 51.8 | 51.0 | 51.0 | 51.0 | 51.0 | 52.7 | 52.7 | 50.1 | 47.5 | 44.8 | 43.1 |
| 77.5° | 44.8 | 45.7 | 45.7 | 45.7 | 45.7 | 47.5 | 47.5 | 45.7 | 43.1 | 41.3 | 38.7 |
| 80° | 38.7 | 38.7 | 39.5 | 39.5 | 40.4 | 40.4 | 39.5 | 38.7 | 37.8 | 36.0 | 32.5 |
| 82.5° | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 31.6 | 29.9 | 31.6 | 31.6 | 29.9 | 27.2 |
| 85° | 25.5 | 25.5 | 25.5 | 26.4 | 26.4 | 23.7 | 21.1 | 21.1 | 23.7 | 22.8 | 21.1 |
| 87.5° | 14.9 | 14.9 | 15.8 | 18.5 | 16.7 | 15.8 | 13.2 | 14.1 | 13.2 | 14.9 | 12.3 |
| 90° | 12.5 | 11.6 | 11.6 | 8.9 | 8.8 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 |
| 92.5° | 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 10.5 | 9.0 | 9.0 | 9.0 | 8.5 | 8.0 |
| 100° | 23.0 | 24.5 | 26.0 | 27.5 | 29.0 | 25.0 | 21.0 | 16.5 | 12.0 | 11.0 | 10.0 |
| 102.5° | 42.0 | 44.5 | 47.0 | 48.5 | 50.0 | 45.0 | 40.0 | 33.5 | 27.0 | 22.5 | 18.0 |
| 105° | 65.0 | 67.5 | 70.0 | 71.0 | 72.0 | 67.5 | 63.0 | 55.5 | 48.0 | 42.0 | 36.0 |
| 107.5° | 90.0 | 92.0 | 94.0 | 94.5 | 95.0 | 91.5 | 88.0 | 80.5 | 73.0 | 65.5 | 58.0 |



REPORT NUMBER: P227297
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.0 | 120.0 | 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 102.0 | 94.5 | 87.0 | 0° |
| 112.5° | 149.0 | 149.5 | 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 134.0 | 127.5 | 121.0 | 2.5° |
| 115° | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 168.0 | 163.5 | 159.0 | 5° |
| 117.5° | 210.0 | 212.5 | 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 202.0 | 199.5 | 197.0 | 7.5° |
| 120° | 245.0 | 247.5 | 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 237.0 | 235.0 | 233.0 | 10° |
| 122.5° | 278.0 | 280.5 | 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 271.0 | 269.0 | 267.0 | 12.5° |
| 125° | 310.0 | 312.5 | 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 305.0 | 302.0 | 299.0 | 15° |
| 127.5° | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 339.0 | 336.0 | 333.0 | 17.5° |
| 130° | 381.0 | 381.0 | 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 370.0 | 368.0 | 366.0 | 20° |
| 132.5° | 414.0 | 415.0 | 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 404.0 | 402.5 | 401.0 | 22.5° |
| 135° | 447.0 | 447.5 | 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 435.0 | 433.5 | 432.0 | 25° |
| 137.5° | 476.0 | 475.5 | 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 464.0 | 462.0 | 460.0 | 27.5° |
| 140° | 504.0 | 503.0 | 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 491.0 | 490.0 | 489.0 | 30° |
| 142.5° | 533.0 | 533.0 | 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 521.0 | 519.5 | 518.0 | 32.5° |
| 145° | 561.0 | 561.5 | 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 550.0 | 548.5 | 547.0 | 35° |
| 147.5° | 586.0 | 585.5 | 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 574.0 | 574.0 | 574.0 | 37.5° |
| 150° | 603.0 | 601.5 | 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 40° |
| 152.5° | 618.0 | 616.0 | 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 610.0 | 609.5 | 609.0 | 42.5° |
| 155° | 636.0 | 633.5 | 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 630.0 | 628.5 | 627.0 | 45° |
| 157.5° | 650.0 | 649.0 | 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 646.0 | 645.0 | 644.0 | 47.5° |
| 160° | 661.0 | 662.5 | 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 655.0 | 655.5 | 656.0 | 50° |
| 162.5° | 670.0 | 670.5 | 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 661.0 | 663.0 | 665.0 | 52.5° |
| 165° | 680.0 | 678.5 | 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 673.0 | 674.5 | 676.0 | 55° |
| 167.5° | 688.0 | 686.0 | 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 688.0 | 687.0 | 686.0 | 57.5° |
| 170° | 694.0 | 691.5 | 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 693.0 | 692.5 | 692.0 | 59° |
| 172.5° | 694.0 | 693.0 | 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 690.0 | 691.5 | 693.0 | 60° |
| 175° | 696.0 | 695.5 | 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 691.0 | 693.0 | 695.0 | 62.5° |
| 177.5° | 701.0 | 700.0 | 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 65° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P227297
 NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 160° | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 110° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110° | 80.5 |
| 1499.2 | 1502.7 | 1510.6 | 1508.0 | 1537.0 | 1528.2 | 1548.4 | 1575.7 | 1601.2 | 1588.9 | 1592.4 | 112.5° | 113.5 |
| 1232.9 | 1237.3 | 1203.9 | 1224.2 | 1254.0 | 1241.7 | 1237.3 | 1277.8 | 1268.1 | 1313.8 | 1276.0 | 115° | 153.0 |
| 913.1 | 902.5 | 886.7 | 878.8 | 856.8 | 856.8 | 898.1 | 916.6 | 913.9 | 945.6 | 978.1 | 117.5° | 193.0 |
| 641.5 | 629.2 | 609.9 | 604.6 | 626.6 | 637.1 | 655.6 | 674.0 | 698.6 | 734.7 | 755.8 | 120° | 229.5 |
| 471.0 | 466.6 | 471.0 | 484.2 | 504.4 | 519.4 | 547.5 | 580.0 | 607.2 | 636.2 | 664.4 | 122.5° | 264.0 |
| 355.9 | 364.7 | 376.1 | 384.9 | 400.7 | 428.8 | 443.8 | 479.8 | 504.4 | 529.9 | 562.4 | 125° | 297.5 |
| 276.8 | 282.1 | 284.7 | 288.2 | 301.4 | 321.6 | 321.6 | 358.5 | 391.1 | 424.5 | 451.7 | 127.5° | 331.0 |
| 210.9 | 210.9 | 202.1 | 207.4 | 209.2 | 207.4 | 217.9 | 239.0 | 260.1 | 282.1 | 325.2 | 130° | 364.0 |
| 176.6 | 171.4 | 168.7 | 167.8 | 168.7 | 172.2 | 178.4 | 186.3 | 189.8 | 199.5 | 216.2 | 132.5° | 397.0 |
| 156.4 | 155.5 | 152.9 | 152.9 | 154.7 | 155.5 | 161.7 | 168.7 | 170.5 | 173.1 | 179.3 | 135° | 429.0 |
| 138.0 | 139.7 | 142.4 | 141.5 | 142.4 | 144.1 | 148.5 | 154.7 | 158.2 | 159.1 | 163.5 | 137.5° | 459.5 |
| 124.8 | 126.5 | 127.4 | 130.1 | 130.1 | 130.9 | 134.5 | 140.6 | 143.2 | 147.6 | 152.0 | 140° | 488.0 |
| 116.0 | 116.9 | 117.8 | 116.9 | 117.8 | 117.8 | 122.2 | 128.3 | 131.8 | 134.5 | 137.1 | 142.5° | 517.5 |
| 106.3 | 105.5 | 105.5 | 105.5 | 102.8 | 101.9 | 103.7 | 109.8 | 110.7 | 113.4 | 119.5 | 145° | 545.5 |
| 94.9 | 92.3 | 90.5 | 90.5 | 90.5 | 91.4 | 95.8 | 101.9 | 102.8 | 105.5 | 110.7 | 147.5° | 572.5 |
| 84.4 | 83.5 | 83.5 | 84.4 | 85.2 | 87.0 | 90.5 | 96.7 | 97.5 | 100.2 | 104.6 | 150° | 593.0 |
| 79.1 | 79.1 | 79.1 | 80.0 | 80.8 | 81.7 | 86.1 | 92.3 | 94.0 | 96.7 | 101.9 | 152.5° | 608.5 |
| 75.6 | 76.5 | 75.6 | 75.6 | 76.5 | 78.2 | 82.6 | 89.6 | 92.3 | 94.9 | 100.2 | 155° | 626.0 |
| 72.9 | 72.9 | 72.9 | 73.8 | 73.8 | 75.6 | 80.8 | 87.9 | 89.6 | 93.2 | 101.1 | 157.5° | 643.5 |
| 69.4 | 71.2 | 70.3 | 71.2 | 72.1 | 73.8 | 79.1 | 86.1 | 88.8 | 94.0 | 102.8 | 160° | 657.5 |
| 67.7 | 67.7 | 67.7 | 68.5 | 70.3 | 71.2 | 75.6 | 83.5 | 87.0 | 94.0 | 108.1 | 162.5° | 667.0 |
| 66.8 | 65.0 | 65.0 | 65.9 | 67.7 | 69.4 | 73.8 | 81.7 | 86.1 | 93.2 | 107.2 | 165° | 676.0 |
| 65.9 | 63.3 | 62.4 | 63.3 | 65.0 | 65.9 | 71.2 | 79.1 | 85.2 | 90.5 | 103.7 | 167.5° | 685.0 |
| 63.3 | 61.5 | 60.6 | 61.5 | 63.3 | 65.0 | 69.4 | 77.3 | 81.7 | 88.8 | 99.3 | 170° | 692.0 |
| 62.4 | 59.8 | 59.8 | 60.6 | 62.4 | 63.3 | 67.7 | 75.6 | 80.0 | 89.6 | 101.9 | 172.5° | 694.0 |
| 58.9 | 58.0 | 58.0 | 58.9 | 58.9 | 60.6 | 65.9 | 73.8 | 77.3 | 91.4 | 85.2 | 175° | 696.0 |
| 56.2 | 56.2 | 56.2 | 56.2 | 57.1 | 58.0 | 64.2 | 72.1 | 73.8 | 79.1 | 72.9 | 177.5° | 699.5 |
| 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 56.2 | 61.5 | 69.4 | 70.3 | 69.4 | 66.8 | 180° | 700.0 |
| 51.0 | 51.0 | 51.0 | 51.0 | 51.8 | 52.7 | 58.0 | 65.0 | 65.0 | 63.3 | 63.3 | | |
| 48.3 | 47.5 | 47.5 | 47.5 | 47.5 | 48.3 | 53.6 | 60.6 | 59.8 | 58.9 | 58.9 | | |
| 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 48.3 | 55.4 | 54.5 | 53.6 | 52.7 | | |
| 37.8 | 37.8 | 38.7 | 37.8 | 36.9 | 36.0 | 41.3 | 49.2 | 49.2 | 48.3 | 47.5 | | |
| 32.5 | 31.6 | 32.5 | 31.6 | 29.9 | 29.9 | 34.3 | 41.3 | 42.2 | 41.3 | 39.5 | | |
| 26.4 | 25.5 | 25.5 | 25.5 | 22.0 | 22.0 | 26.4 | 33.4 | 33.4 | 32.5 | 30.8 | | |
| 20.2 | 19.3 | 18.5 | 17.6 | 14.9 | 14.9 | 18.5 | 24.6 | 25.5 | 22.0 | 21.1 | | |
| 10.5 | 10.5 | 10.5 | 7.9 | 7.0 | 6.2 | 9.7 | 14.9 | 14.9 | 12.3 | 10.5 | | |
| 7.5 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.9 | 7.5 | 8.0 | 8.0 | | |
| 5.5 | 5.0 | 4.5 | 4.0 | 4.0 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.0 | | |
| 6.5 | 6.0 | 5.5 | 5.0 | 5.0 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.0 | | |
| 8.0 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | | |
| 9.5 | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 11.0 | | |
| 15.5 | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 | 12.0 | 13.0 | 15.5 | 18.0 | 22.5 | | |
| 31.5 | 27.0 | 24.5 | 22.0 | 21.0 | 22.0 | 24.5 | 27.0 | 31.5 | 36.0 | 42.0 | | |
| 53.5 | 49.0 | 45.5 | 42.0 | 41.0 | 42.0 | 45.5 | 49.0 | 53.5 | 58.0 | 65.5 | | |

'227297
 ISW-AF-1000-LED-E1-SLR-7060-ULG

REPORT NUMBER: P227297
 CATALOG NUMBER: ISW-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | | 215° | 220° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 74.0 | 71.0 | 68.0 | 66.0 | 68.0 | 71.0 | 74.0 | 80.5 | 87.0 | 94.5 | 0° | 1725.1 | 1725.1 |
| 106.0 | 102.5 | 99.0 | 99.0 | 99.0 | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 2.5° | 1614.3 | 1622.2 |
| 147.0 | 143.0 | 139.0 | 140.0 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 5° | 1304.1 | 1334.9 |
| 189.0 | 186.5 | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 7.5° | 986.0 | 1027.3 |
| 226.0 | 224.5 | 223.0 | 225.0 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 10° | 790.0 | 818.2 |
| 261.0 | 260.5 | 260.0 | 263.0 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 12.5° | 693.4 | 733.8 |
| 296.0 | 295.0 | 294.0 | 298.0 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 15° | 594.9 | 638.9 |
| 329.0 | 329.0 | 329.0 | 330.0 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 17.5° | 487.7 | 541.3 |
| 362.0 | 361.5 | 361.0 | 363.0 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 20° | 372.6 | 425.3 |
| 393.0 | 393.5 | 394.0 | 396.0 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 22.5° | 261.9 | 306.7 |
| 426.0 | 426.0 | 426.0 | 429.0 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 25° | 190.7 | 210.9 |
| 459.0 | 458.0 | 457.0 | 460.0 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 27.5° | 169.6 | 177.5 |
| 487.0 | 486.0 | 485.0 | 488.0 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 30° | 159.1 | 164.3 |
| 517.0 | 516.0 | 515.0 | 518.0 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 32.5° | 143.2 | 148.5 |
| 544.0 | 545.0 | 546.0 | 550.0 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 35° | 125.7 | 132.7 |
| 571.0 | 571.5 | 572.0 | 575.0 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 37.5° | 116.9 | 122.2 |
| 593.0 | 592.5 | 592.0 | 595.0 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 40° | 111.6 | 112.5 |
| 608.0 | 608.0 | 608.0 | 611.0 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 42.5° | 107.2 | 107.2 |
| 625.0 | 625.0 | 625.0 | 629.0 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 45° | 104.6 | 107.2 |
| 643.0 | 643.0 | 643.0 | 646.0 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 47.5° | 106.3 | 117.8 |
| 659.0 | 659.5 | 660.0 | 663.0 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 50° | 119.5 | 116.0 |
| 669.0 | 669.0 | 669.0 | 673.0 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 52.5° | 122.2 | 109.0 |
| 676.0 | 677.0 | 678.0 | 681.0 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 55° | 111.6 | 104.6 |
| 684.0 | 685.5 | 687.0 | 690.0 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 57.5° | 100.2 | 91.4 |
| 692.0 | 693.5 | 695.0 | 698.0 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 59° | 89.6 | 84.4 |
| 695.0 | 696.0 | 697.0 | 699.0 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 60° | 83.5 | 81.7 |
| 697.0 | 697.5 | 698.0 | 700.0 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 62.5° | 76.5 | 78.2 |
| 700.0 | 702.5 | 705.0 | 707.0 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 65° | 71.2 | 74.7 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 68.5 | 71.2 |
| | | | | | | | | | | 70° | 64.2 | 65.9 |
| | | | | | | | | | | 72.5° | 59.8 | 60.6 |
| | | | | | | | | | | 75° | 53.6 | 54.5 |
| | | | | | | | | | | 77.5° | 47.5 | 47.5 |
| | | | | | | | | | | 80° | 38.7 | 38.7 |
| | | | | | | | | | | 82.5° | 29.9 | 29.0 |
| | | | | | | | | | | 85° | 19.3 | 18.5 |
| | | | | | | | | | | 87.5° | 8.8 | 7.0 |
| | | | | | | | | | | 90° | 8.0 | 7.5 |
| | | | | | | | | | | 92.5° | 6.0 | 6.0 |
| | | | | | | | | | | 95° | 7.0 | 7.0 |
| | | | | | | | | | | 97.5° | 9.0 | 9.0 |
| | | | | | | | | | | 100° | 12.0 | 16.5 |
| | | | | | | | | | | 102.5° | 27.0 | 33.5 |
| | | | | | | | | | | 105° | 48.0 | 55.5 |
| | | | | | | | | | | 107.5° | 73.0 | 80.5 |



REPORT NUMBER: P227297

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-SLR-7060-ULG

tinued):

CANDELA DISTRIBUTION (continued):

| 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | | 215° | 220° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110° | 102.0 | 108.0 | 114.0 |
| 1661.8 | 1686.4 | 1705.7 | 1702.2 | 1743.5 | 1768.1 | 1771.6 | 1797.1 | 1821.7 | 112.5° | 134.0 | 138.5 | 143.0 |
| 1359.5 | 1393.8 | 1427.2 | 1451.8 | 1516.8 | 1570.4 | 1611.7 | 1655.6 | 1707.5 | 115° | 168.0 | 171.0 | 174.0 |
| 1083.5 | 1112.5 | 1167.0 | 1206.6 | 1275.1 | 1337.5 | 1398.2 | 1467.6 | 1526.5 | 117.5° | 202.0 | 203.5 | 205.0 |
| 848.9 | 885.8 | 936.8 | 1010.6 | 1072.1 | 1143.3 | 1219.8 | 1285.7 | 1384.1 | 120° | 237.0 | 240.0 | 243.0 |
| 762.8 | 785.6 | 827.8 | 863.0 | 939.4 | 1015.0 | 1101.1 | 1191.6 | 1282.2 | 122.5° | 271.0 | 274.0 | 277.0 |
| 674.0 | 714.5 | 754.0 | 805.0 | 871.8 | 954.4 | 1047.5 | 1145.1 | 1247.0 | 125° | 305.0 | 307.5 | 310.0 |
| 587.9 | 641.5 | 684.6 | 739.9 | 814.6 | 919.2 | 1040.5 | 1161.8 | 1281.3 | 127.5° | 339.0 | 339.5 | 340.0 |
| 482.5 | 532.5 | 608.1 | 664.4 | 761.9 | 892.9 | 1048.4 | 1216.2 | 1377.9 | 130° | 370.0 | 371.0 | 372.0 |
| 379.6 | 433.2 | 519.4 | 602.8 | 710.1 | 878.8 | 1080.0 | 1305.9 | 1522.1 | 132.5° | 404.0 | 404.5 | 405.0 |
| 271.5 | 344.5 | 429.7 | 535.2 | 665.2 | 870.0 | 1123.1 | 1416.6 | 1707.5 | 135° | 435.0 | 436.0 | 437.0 |
| 203.0 | 254.0 | 357.7 | 472.8 | 615.2 | 854.2 | 1168.8 | 1519.4 | 1834.0 | 137.5° | 464.0 | 466.0 | 468.0 |
| 181.0 | 217.1 | 284.7 | 406.0 | 553.6 | 823.4 | 1203.1 | 1617.0 | 1949.2 | 140° | 491.0 | 494.0 | 497.0 |
| 158.2 | 186.3 | 239.9 | 342.7 | 498.3 | 776.0 | 1218.0 | 1668.8 | 2029.1 | 142.5° | 521.0 | 523.0 | 525.0 |
| 138.8 | 165.2 | 219.7 | 318.1 | 470.2 | 722.4 | 1215.4 | 1720.7 | 2129.3 | 145° | 550.0 | 550.5 | 551.0 |
| 126.5 | 149.4 | 210.9 | 312.0 | 448.2 | 673.2 | 1218.0 | 1804.2 | 2277.8 | 147.5° | 574.0 | 574.5 | 575.0 |
| 116.9 | 143.2 | 203.9 | 298.8 | 437.6 | 645.9 | 1228.5 | 1878.0 | 2405.2 | 150° | 593.0 | 593.0 | 593.0 |
| 116.9 | 141.5 | 186.3 | 280.3 | 432.4 | 648.5 | 1232.9 | 1935.1 | 2500.2 | 152.5° | 610.0 | 610.0 | 610.0 |
| 123.0 | 132.7 | 173.1 | 269.8 | 435.9 | 667.9 | 1227.7 | 1993.1 | 2592.4 | 155° | 630.0 | 629.0 | 628.0 |
| 116.9 | 123.9 | 164.3 | 268.0 | 435.9 | 681.9 | 1243.5 | 2065.2 | 2713.7 | 157.5° | 646.0 | 645.5 | 645.0 |
| 110.7 | 115.1 | 161.7 | 265.4 | 427.1 | 695.1 | 1308.5 | 2199.6 | 2871.9 | 160° | 655.0 | 655.0 | 655.0 |
| 102.8 | 108.1 | 158.2 | 261.0 | 417.4 | 711.8 | 1423.6 | 2425.5 | 3133.8 | 162.5° | 661.0 | 662.0 | 663.0 |
| 93.2 | 103.7 | 152.9 | 254.0 | 411.3 | 741.7 | 1541.4 | 2653.9 | 3445.7 | 165° | 673.0 | 673.0 | 673.0 |
| 89.6 | 99.3 | 140.6 | 237.3 | 405.1 | 774.2 | 1667.1 | 2872.8 | 3726.1 | 167.5° | 688.0 | 686.5 | 685.0 |
| 87.0 | 95.8 | 130.1 | 225.0 | 399.8 | 790.0 | 1704.9 | 2956.2 | 3834.2 | 170° | 693.0 | 692.0 | 691.0 |
| 85.2 | 94.0 | 123.9 | 214.4 | 393.7 | 790.9 | 1732.1 | 2987.9 | 3850.0 | 172.5° | 690.0 | 690.0 | 690.0 |
| 82.6 | 90.5 | 111.6 | 192.5 | 374.4 | 790.0 | 1734.7 | 3008.1 | 3804.3 | 175° | 691.0 | 690.5 | 690.0 |
| 78.2 | 87.0 | 112.5 | 181.0 | 339.2 | 753.1 | 1625.8 | 2910.6 | 3622.4 | 177.5° | 697.0 | 696.0 | 695.0 |
| 74.7 | 84.4 | 118.6 | 183.7 | 302.3 | 658.2 | 1421.9 | 2607.4 | 3233.1 | 180° | 700.0 | 700.0 | 700.0 |
| 69.4 | 82.6 | 123.9 | 189.8 | 291.8 | 546.6 | 1075.6 | 2129.3 | 2707.6 | | | | |
| 64.2 | 81.7 | 128.3 | 194.2 | 280.3 | 449.9 | 745.2 | 1509.8 | 2026.5 | | | | |
| 58.0 | 74.7 | 116.9 | 165.2 | 232.0 | 326.9 | 479.8 | 987.8 | 1397.3 | | | | |
| 50.1 | 59.8 | 85.2 | 116.0 | 170.5 | 228.5 | 283.8 | 596.7 | 913.9 | | | | |
| 41.3 | 44.8 | 60.6 | 74.7 | 113.4 | 135.3 | 157.3 | 336.6 | 638.9 | | | | |
| 30.8 | 31.6 | 41.3 | 47.5 | 64.2 | 74.7 | 94.0 | 206.5 | 517.6 | | | | |
| 17.6 | 20.2 | 28.1 | 31.6 | 38.7 | 47.5 | 61.5 | 131.8 | 406.0 | | | | |
| 7.0 | 8.8 | 16.7 | 18.5 | 21.1 | 26.4 | 34.3 | 76.5 | 126.5 | | | | |
| 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 8.0 | 7.0 | | | | |
| 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | | | | |
| 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | | | | |
| 9.0 | 10.5 | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 | 8.0 | | | | |
| 21.0 | 25.0 | 29.0 | 27.5 | 26.0 | 24.5 | 23.0 | 21.0 | 19.0 | | | | |
| 40.0 | 45.0 | 50.0 | 48.5 | 47.0 | 44.5 | 42.0 | 40.5 | 39.0 | | | | |
| 63.0 | 67.5 | 72.0 | 71.0 | 70.0 | 67.5 | 65.0 | 63.0 | 61.0 | | | | |
| 88.0 | 91.5 | 95.0 | 94.5 | 94.0 | 92.0 | 90.0 | 88.5 | 87.0 | | | | |



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CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-706C

1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | | 270° | 275° | 280° | 285° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 0° | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 2.5° | 1846.3 | 1864.8 | 1880.6 | 1892.9 |
| 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 5° | 1762.9 | 1805.9 | 1857.8 | 1901.7 |
| 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 7.5° | 1614.3 | 1668.8 | 1753.2 | 1805.0 |
| 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 10° | 1473.7 | 1553.7 | 1646.0 | 1720.7 |
| 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 12.5° | 1377.9 | 1477.2 | 1565.1 | 1648.6 |
| 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 15° | 1351.6 | 1452.6 | 1531.7 | 1608.2 |
| 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 17.5° | 1404.3 | 1505.4 | 1573.0 | 1619.6 |
| 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 20° | 1528.2 | 1636.3 | 1679.4 | 1675.9 |
| 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 22.5° | 1697.8 | 1811.2 | 1811.2 | 1776.0 |
| 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 25° | 1921.9 | 2003.6 | 1958.8 | 1892.0 |
| 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 27.5° | 2081.0 | 2157.4 | 2079.2 | 1969.4 |
| 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 30° | 2212.8 | 2269.0 | 2169.7 | 2037.0 |
| 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 32.5° | 2328.8 | 2370.1 | 2239.2 | 2108.2 |
| 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 35° | 2467.6 | 2482.6 | 2311.2 | 2171.5 |
| 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 37.5° | 2621.4 | 2633.7 | 2414.9 | 2240.9 |
| 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 40° | 2802.5 | 2758.5 | 2491.4 | 2305.1 |
| 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 42.5° | 2914.1 | 2842.0 | 2546.7 | 2338.5 |
| 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 45° | 3001.9 | 2903.5 | 2572.2 | 2357.8 |
| 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 47.5° | 3110.0 | 2994.0 | 2617.0 | 2392.9 |
| 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 50° | 3252.4 | 3119.7 | 2730.4 | 2492.2 |
| 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 52.5° | 3544.2 | 3379.8 | 2934.3 | 2665.4 |
| 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 55° | 3879.9 | 3724.3 | 3260.3 | 2951.0 |
| 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 57.5° | 4148.8 | 4044.2 | 3551.2 | 3209.3 |
| 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 59° | 4248.1 | 4203.3 | 3756.8 | 3428.2 |
| 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 60° | 4285.0 | 4323.6 | 3865.8 | 3561.7 |
| 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 62.5° | 4310.5 | 4478.3 | 4219.9 | 3960.7 |
| 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 65° | 4257.7 | 4503.8 | 4363.2 | 4204.1 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 4028.4 | 4322.8 | 4295.5 | 4155.8 |
| | | | | | | | | 70° | 3559.1 | 3886.9 | 3981.8 | 3783.2 |
| | | | | | | | | 72.5° | 2677.7 | 3084.6 | 3602.2 | 3291.1 |
| | | | | | | | | 75° | 1744.4 | 2120.5 | 3075.8 | 2819.2 |
| | | | | | | | | 77.5° | 1092.3 | 1323.5 | 2194.3 | 1974.6 |
| | | | | | | | | 80° | 726.8 | 850.7 | 1392.9 | 1268.1 |
| | | | | | | | | 82.5° | 546.6 | 602.8 | 957.9 | 900.8 |
| | | | | | | | | 85° | 288.2 | 367.3 | 745.2 | 944.7 |
| | | | | | | | | 87.5° | 108.1 | 120.4 | 560.7 | 844.5 |
| | | | | | | | | 90° | 7.0 | 7.0 | 8.9 | 9.0 |
| | | | | | | | | 92.5° | 6.0 | 6.0 | 6.0 | 6.0 |
| | | | | | | | | 95° | 7.0 | 7.0 | 7.0 | 7.0 |
| | | | | | | | | 97.5° | 8.0 | 8.0 | 8.5 | 9.0 |
| | | | | | | | | 100° | 19.0 | 19.0 | 21.0 | 23.0 |
| | | | | | | | | 102.5° | 38.0 | 39.0 | 40.5 | 42.0 |
| | | | | | | | | 105° | 61.0 | 61.0 | 63.0 | 65.0 |
| | | | | | | | | 107.5° | 86.0 | 87.0 | 88.5 | 90.0 |

REPORT NUMBER: P227297

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

J-ULG

CANDELA DISTRIBUTION (continued):

| 290° | 295° | 300° | 305° | 310° | 315° | 320° | | 270° | 275° | 280° | 285° | 290° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 110° | 117.0 | 116.0 | 117.5 | 119.0 | 120.0 |
| 1903.5 | 1919.3 | 1928.9 | 1921.9 | 1933.3 | 1936.0 | 1923.7 | 112.5° | 147.0 | 147.0 | 148.0 | 149.0 | 149.5 |
| 1938.6 | 1982.6 | 2014.2 | 2036.2 | 2044.9 | 2052.9 | 2049.3 | 115° | 178.0 | 177.0 | 178.0 | 179.0 | 180.5 |
| 1873.6 | 1941.2 | 2000.1 | 2040.6 | 2054.6 | 2065.2 | 2055.5 | 117.5° | 209.0 | 208.0 | 209.0 | 210.0 | 212.5 |
| 1801.5 | 1871.8 | 1927.2 | 1967.6 | 1966.7 | 1977.3 | 1958.8 | 120° | 243.0 | 243.0 | 244.0 | 245.0 | 247.5 |
| 1733.9 | 1802.4 | 1851.6 | 1849.9 | 1837.5 | 1806.8 | 1801.5 | 122.5° | 277.0 | 276.0 | 277.0 | 278.0 | 280.5 |
| 1680.2 | 1716.3 | 1728.6 | 1725.9 | 1690.8 | 1673.2 | 1670.6 | 125° | 310.0 | 310.0 | 310.0 | 310.0 | 312.5 |
| 1653.9 | 1652.1 | 1624.0 | 1593.2 | 1559.9 | 1558.1 | 1535.2 | 127.5° | 347.0 | 345.0 | 345.5 | 346.0 | 346.0 |
| 1658.3 | 1601.2 | 1549.3 | 1496.6 | 1460.5 | 1452.6 | 1455.3 | 130° | 380.0 | 379.0 | 380.0 | 381.0 | 381.0 |
| 1713.6 | 1612.6 | 1515.0 | 1461.4 | 1419.2 | 1406.9 | 1412.2 | 132.5° | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 |
| 1783.1 | 1647.7 | 1526.5 | 1444.7 | 1410.5 | 1395.5 | 1398.2 | 135° | 451.0 | 450.0 | 448.5 | 447.0 | 447.5 |
| 1829.6 | 1688.2 | 1564.2 | 1463.2 | 1416.6 | 1402.5 | 1411.3 | 137.5° | 482.0 | 481.0 | 478.5 | 476.0 | 475.5 |
| 1889.4 | 1743.5 | 1615.2 | 1510.6 | 1441.2 | 1422.8 | 1428.9 | 140° | 511.0 | 509.0 | 506.5 | 504.0 | 503.0 |
| 1948.3 | 1803.3 | 1687.3 | 1568.6 | 1484.3 | 1450.0 | 1459.7 | 142.5° | 536.0 | 534.0 | 533.5 | 533.0 | 533.0 |
| 2011.6 | 1872.7 | 1755.8 | 1647.7 | 1548.4 | 1494.8 | 1507.1 | 145° | 560.0 | 558.0 | 559.5 | 561.0 | 561.5 |
| 2085.4 | 1953.6 | 1853.4 | 1754.1 | 1652.1 | 1607.3 | 1612.6 | 147.5° | 585.0 | 583.0 | 584.5 | 586.0 | 585.5 |
| 2156.6 | 2032.6 | 1968.5 | 1894.7 | 1834.9 | 1766.4 | 1766.4 | 150° | 610.0 | 606.0 | 604.5 | 603.0 | 601.5 |
| 2198.7 | 2135.5 | 2117.9 | 2096.8 | 2061.6 | 2012.4 | 2001.9 | 152.5° | 628.0 | 623.0 | 620.5 | 618.0 | 616.0 |
| 2250.6 | 2257.6 | 2298.0 | 2340.2 | 2350.8 | 2302.4 | 2287.5 | 155° | 641.0 | 638.0 | 637.0 | 636.0 | 633.5 |
| 2348.1 | 2421.9 | 2554.6 | 2669.8 | 2692.6 | 2732.2 | 2686.5 | 157.5° | 655.0 | 650.0 | 650.0 | 650.0 | 649.0 |
| 2485.2 | 2621.4 | 2845.5 | 3033.6 | 3087.2 | 3090.7 | 3094.2 | 160° | 666.0 | 660.0 | 660.5 | 661.0 | 662.5 |
| 2641.6 | 2836.7 | 3132.9 | 3357.0 | 3452.8 | 3478.3 | 3459.8 | 162.5° | 674.0 | 668.0 | 669.0 | 670.0 | 670.5 |
| 2909.7 | 3086.3 | 3410.6 | 3652.3 | 3775.3 | 3835.0 | 3819.2 | 165° | 682.0 | 678.0 | 679.0 | 680.0 | 678.5 |
| 3175.1 | 3394.8 | 3680.4 | 3918.5 | 4049.5 | 4116.3 | 4130.3 | 167.5° | 694.0 | 688.0 | 688.0 | 688.0 | 686.0 |
| 3356.1 | 3561.7 | 3825.4 | 4045.1 | 4174.3 | 4254.2 | 4261.3 | 170° | 701.0 | 696.0 | 695.0 | 694.0 | 691.5 |
| 3466.8 | 3654.9 | 3912.4 | 4105.7 | 4234.9 | 4302.6 | 4327.2 | 172.5° | 701.0 | 696.0 | 695.0 | 694.0 | 693.0 |
| 3802.5 | 3836.8 | 4012.6 | 4140.0 | 4230.5 | 4261.3 | 4279.7 | 175° | 699.0 | 694.0 | 695.0 | 696.0 | 695.5 |
| 3959.8 | 3816.6 | 3796.4 | 3875.5 | 3883.4 | 3863.2 | 3837.7 | 177.5° | 702.0 | 698.0 | 699.5 | 701.0 | 700.0 |
| 3741.0 | 3406.2 | 3282.3 | 3271.7 | 3239.2 | 3226.0 | 3145.2 | 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 3248.9 | 2766.4 | 2547.6 | 2429.0 | 2501.0 | 2498.4 | 2415.8 | | | | | | |
| 2737.4 | 2246.2 | 1962.3 | 1791.9 | 1770.8 | 1767.2 | 1695.2 | | | | | | |
| 2223.3 | 1762.9 | 1514.2 | 1431.5 | 1332.2 | 1302.4 | 1314.7 | | | | | | |
| 1602.9 | 1258.4 | 1205.7 | 1269.0 | 1276.9 | 1254.0 | 1238.2 | | | | | | |
| 1009.7 | 946.5 | 997.4 | 1112.5 | 1180.2 | 1150.3 | 1161.8 | | | | | | |
| 841.9 | 745.2 | 748.7 | 870.0 | 915.7 | 922.7 | 899.0 | | | | | | |
| 934.2 | 746.1 | 611.6 | 596.7 | 580.9 | 365.6 | 508.8 | | | | | | |
| 841.9 | 577.4 | 340.1 | 280.3 | 172.2 | 99.3 | 102.8 | | | | | | |
| 9.0 | 9.0 | 8.0 | 7.0 | 7.0 | 7.0 | 7.5 | | | | | | |
| 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | | | | | | |
| 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | | | | | | |
| 9.5 | 10.0 | 11.0 | 12.0 | 10.5 | 9.0 | 9.0 | | | | | | |
| 24.5 | 26.0 | 27.5 | 29.0 | 25.0 | 21.0 | 16.5 | | | | | | |
| 44.5 | 47.0 | 48.5 | 50.0 | 45.0 | 40.0 | 33.5 | | | | | | |
| 67.5 | 70.0 | 71.0 | 72.0 | 67.5 | 63.0 | 55.5 | | | | | | |
| 92.0 | 94.0 | 94.5 | 95.0 | 91.5 | 88.0 | 80.5 | | | | | | |



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CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| 295° | 300° | 305° | 310° | 315° | 320° | | 325° | 330° | 335° | 340° | 345° | 350° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 0° | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 | 1725.1 |
| 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 2.5° | 1921.0 | 1904.3 | 1885.9 | 1861.3 | 1865.7 | 1835.8 |
| 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 5° | 2022.1 | 1993.1 | 1953.6 | 1903.5 | 1856.9 | 1797.1 |
| 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 7.5° | 2011.6 | 1965.0 | 1899.1 | 1823.5 | 1762.0 | 1675.9 |
| 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 10° | 1921.0 | 1860.4 | 1806.8 | 1728.6 | 1648.6 | 1573.0 |
| 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 12.5° | 1794.5 | 1760.2 | 1713.6 | 1654.8 | 1577.4 | 1500.1 |
| 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 15° | 1656.5 | 1659.2 | 1631.0 | 1615.2 | 1576.5 | 1515.0 |
| 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 17.5° | 1543.2 | 1569.5 | 1584.5 | 1609.1 | 1613.5 | 1583.6 |
| 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 20° | 1467.6 | 1504.5 | 1551.1 | 1618.7 | 1689.9 | 1720.7 |
| 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 22.5° | 1425.4 | 1471.1 | 1545.8 | 1668.8 | 1798.9 | 1877.1 |
| 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 25° | 1417.5 | 1478.1 | 1582.7 | 1733.0 | 1901.7 | 2011.6 |
| 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 27.5° | 1430.7 | 1509.8 | 1633.7 | 1805.0 | 1971.1 | 2130.2 |
| 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 30° | 1472.9 | 1565.1 | 1700.5 | 1885.0 | 2057.2 | 2215.4 |
| 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 32.5° | 1513.3 | 1627.5 | 1776.9 | 1957.1 | 2130.2 | 2287.5 |
| 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 35° | 1578.3 | 1693.4 | 1846.3 | 2012.4 | 2180.3 | 2358.7 |
| 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 37.5° | 1677.6 | 1778.7 | 1900.8 | 2055.5 | 2230.4 | 2414.9 |
| 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 40° | 1819.1 | 1885.9 | 1965.0 | 2087.1 | 2255.0 | 2452.7 |
| 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 42.5° | 2030.9 | 2044.9 | 2072.2 | 2135.5 | 2276.9 | 2496.6 |
| 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 45° | 2304.2 | 2262.0 | 2238.3 | 2229.5 | 2326.2 | 2524.8 |
| 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 47.5° | 2621.4 | 2538.8 | 2443.9 | 2398.2 | 2421.1 | 2569.6 |
| 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 50° | 3034.5 | 2900.0 | 2713.7 | 2581.9 | 2570.5 | 2701.4 |
| 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 52.5° | 3413.2 | 3237.5 | 3002.8 | 2847.3 | 2784.0 | 2947.5 |
| 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 55° | 3770.9 | 3635.6 | 3370.2 | 3176.8 | 3154.9 | 3273.5 |
| 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 57.5° | 4084.6 | 3967.7 | 3750.7 | 3498.5 | 3507.3 | 3622.4 |
| 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 59° | 4247.2 | 4149.6 | 3948.4 | 3691.8 | 3711.1 | 3869.3 |
| 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 60° | 4305.2 | 4223.5 | 4031.9 | 3815.7 | 3840.3 | 4004.6 |
| 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 62.5° | 4300.8 | 4248.1 | 4109.2 | 4007.3 | 4132.9 | 4253.3 |
| 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 65° | 3890.4 | 3810.4 | 3794.6 | 3973.0 | 4215.6 | 4331.6 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 3094.2 | 3132.0 | 3282.3 | 3589.0 | 3995.9 | 4164.6 |
| | | | | | | 70° | 2298.0 | 2364.8 | 2565.2 | 2950.1 | 3509.0 | 3800.8 |
| | | | | | | 72.5° | 1689.9 | 1756.7 | 1941.2 | 2363.1 | 2886.8 | 3145.2 |
| | | | | | | 75° | 1326.1 | 1346.3 | 1479.0 | 1810.3 | 2275.2 | 2487.0 |
| | | | | | | 77.5° | 1225.0 | 1164.4 | 1109.9 | 1287.4 | 1534.4 | 1716.3 |
| | | | | | | 80° | 1140.7 | 1025.5 | 897.2 | 950.9 | 1010.6 | 1203.9 |
| | | | | | | 82.5° | 885.8 | 809.4 | 709.2 | 777.7 | 805.9 | 812.0 |
| | | | | | | 85° | 518.5 | 461.4 | 584.4 | 827.8 | 819.0 | 717.1 |
| | | | | | | 87.5° | 182.8 | 237.3 | 267.2 | 458.7 | 554.5 | 479.8 |
| | | | | | | 90° | 8.0 | 10.6 | 15.9 | 16.3 | 20.2 | 10.4 |
| | | | | | | 92.5° | 6.0 | 6.0 | 6.0 | 5.5 | 5.0 | 4.5 |
| | | | | | | 95° | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 5.5 |
| | | | | | | 97.5° | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 7.5 |
| | | | | | | 100° | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 |
| | | | | | | 102.5° | 27.0 | 22.5 | 18.0 | 15.5 | 13.0 | 12.0 |
| | | | | | | 105° | 48.0 | 42.0 | 36.0 | 31.5 | 27.0 | 24.5 |
| | | | | | | 107.5° | 73.0 | 65.5 | 58.0 | 53.5 | 49.0 | 45.5 |



REPORT NUMBER: P227297

CATALOG NUMBER: ISW-AF-1000-LED-E1-SLR-7060-ULG

CANDELA DISTRIBUTION (continued):

| 355° | 359° | 360° | | 325° | 330° | 335° | 340° | 345° | 350° | 355° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1725.1 | 1725.1 | 1725.1 | 110° | 102.0 | 94.5 | 87.0 | 80.5 | 74.0 | 71.0 | 68.0 |
| 1812.1 | 1787.5 | 1785.7 | 112.5° | 134.0 | 127.5 | 121.0 | 113.5 | 106.0 | 102.5 | 99.0 |
| 1749.7 | 1694.3 | 1676.7 | 115° | 168.0 | 163.5 | 159.0 | 153.0 | 147.0 | 143.0 | 139.0 |
| 1601.2 | 1537.0 | 1523.8 | 117.5° | 202.0 | 199.5 | 197.0 | 193.0 | 189.0 | 186.5 | 184.0 |
| 1476.4 | 1405.2 | 1392.9 | 120° | 237.0 | 235.0 | 233.0 | 229.5 | 226.0 | 224.5 | 223.0 |
| 1412.2 | 1344.5 | 1329.6 | 122.5° | 271.0 | 269.0 | 267.0 | 264.0 | 261.0 | 260.5 | 260.0 |
| 1436.8 | 1362.1 | 1354.2 | 125° | 305.0 | 302.0 | 299.0 | 297.5 | 296.0 | 295.0 | 294.0 |
| 1529.1 | 1450.0 | 1453.5 | 127.5° | 339.0 | 336.0 | 333.0 | 331.0 | 329.0 | 329.0 | 329.0 |
| 1687.3 | 1636.3 | 1624.0 | 130° | 370.0 | 368.0 | 366.0 | 364.0 | 362.0 | 361.5 | 361.0 |
| 1894.7 | 1839.3 | 1823.5 | 132.5° | 404.0 | 402.5 | 401.0 | 397.0 | 393.0 | 393.5 | 394.0 |
| 2071.3 | 2043.2 | 2032.6 | 135° | 435.0 | 433.5 | 432.0 | 429.0 | 426.0 | 426.0 | 426.0 |
| 2198.7 | 2211.9 | 2201.4 | 137.5° | 464.0 | 462.0 | 460.0 | 459.5 | 459.0 | 458.0 | 457.0 |
| 2300.7 | 2344.6 | 2339.3 | 140° | 491.0 | 490.0 | 489.0 | 488.0 | 487.0 | 486.0 | 485.0 |
| 2405.2 | 2490.5 | 2494.0 | 142.5° | 521.0 | 519.5 | 518.0 | 517.5 | 517.0 | 516.0 | 515.0 |
| 2482.6 | 2632.9 | 2663.6 | 145° | 550.0 | 548.5 | 547.0 | 545.5 | 544.0 | 545.0 | 546.0 |
| 2581.9 | 2783.1 | 2814.8 | 147.5° | 574.0 | 574.0 | 574.0 | 572.5 | 571.0 | 571.5 | 572.0 |
| 2657.5 | 2893.9 | 2932.5 | 150° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 592.5 | 592.0 |
| 2731.3 | 2985.2 | 3027.4 | 152.5° | 610.0 | 609.5 | 609.0 | 608.5 | 608.0 | 608.0 | 608.0 |
| 2791.9 | 3075.8 | 3118.8 | 155° | 630.0 | 628.5 | 627.0 | 626.0 | 625.0 | 625.0 | 625.0 |
| 2860.5 | 3163.6 | 3205.8 | 157.5° | 646.0 | 645.0 | 644.0 | 643.5 | 643.0 | 643.0 | 643.0 |
| 2983.5 | 3301.6 | 3351.7 | 160° | 655.0 | 655.5 | 656.0 | 657.5 | 659.0 | 659.5 | 660.0 |
| 3248.0 | 3557.3 | 3628.5 | 162.5° | 661.0 | 663.0 | 665.0 | 667.0 | 669.0 | 669.0 | 669.0 |
| 3630.3 | 3910.6 | 3966.9 | 165° | 673.0 | 674.5 | 676.0 | 676.0 | 676.0 | 677.0 | 678.0 |
| 3974.8 | 4150.5 | 4165.5 | 167.5° | 688.0 | 687.0 | 686.0 | 685.0 | 684.0 | 685.5 | 687.0 |
| 4116.3 | 4216.4 | 4212.0 | 170° | 693.0 | 692.5 | 692.0 | 692.0 | 692.0 | 693.5 | 695.0 |
| 4219.9 | 4232.3 | 4207.6 | 172.5° | 690.0 | 691.5 | 693.0 | 694.0 | 695.0 | 696.0 | 697.0 |
| 4276.2 | 4159.3 | 4117.1 | 175° | 691.0 | 693.0 | 695.0 | 696.0 | 697.0 | 697.5 | 698.0 |
| 4129.4 | 3966.9 | 3911.5 | 177.5° | 697.0 | 698.0 | 699.0 | 699.5 | 700.0 | 702.5 | 705.0 |
| 3705.9 | 3619.7 | 3556.5 | 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 3152.2 | 2934.3 | 2893.0 | | | | | | | | |
| 2389.4 | 2102.1 | 2040.6 | | | | | | | | |
| 1669.7 | 1325.2 | 1241.7 | | | | | | | | |
| 1097.6 | 850.7 | 819.0 | | | | | | | | |
| 711.8 | 565.1 | 555.4 | | | | | | | | |
| 496.5 | 370.8 | 341.8 | | | | | | | | |
| 304.9 | 123.9 | 118.6 | | | | | | | | |
| 94.9 | 57.1 | 51.0 | | | | | | | | |
| 7.6 | 8.5 | 8.5 | | | | | | | | |
| 4.0 | 4.0 | 4.0 | | | | | | | | |
| 5.0 | 5.0 | 5.0 | | | | | | | | |
| 7.0 | 7.0 | 7.0 | | | | | | | | |
| 8.0 | 8.0 | 8.0 | | | | | | | | |
| 11.0 | 11.0 | 11.0 | | | | | | | | |
| 22.0 | 21.2 | 21.0 | | | | | | | | |
| 42.0 | 41.2 | 41.0 | | | | | | | | |



| 359° | 360° |
|-------|-------|
| 66.4 | 66.0 |
| 99.0 | 99.0 |
| 139.8 | 140.0 |
| 184.0 | 184.0 |
| 224.6 | 225.0 |
| 262.4 | 263.0 |
| 297.2 | 298.0 |
| 329.8 | 330.0 |
| 362.6 | 363.0 |
| 395.6 | 396.0 |
| 428.4 | 429.0 |
| 459.4 | 460.0 |
| 487.4 | 488.0 |
| 517.4 | 518.0 |
| 549.2 | 550.0 |
| 574.4 | 575.0 |
| 594.4 | 595.0 |
| 610.4 | 611.0 |
| 628.2 | 629.0 |
| 645.4 | 646.0 |
| 662.4 | 663.0 |
| 672.2 | 673.0 |
| 680.4 | 681.0 |
| 689.4 | 690.0 |
| 697.4 | 698.0 |
| 698.6 | 699.0 |
| 699.6 | 700.0 |
| 706.6 | 707.0 |
| 700.0 | 700.0 |

(END OF REPORT)